

Figure 1A

>4304443inh	AGTATACATT	CTTTATTAAT	CATTTTGCTT	CCAACCCCAT	TTAGCCTGCC
>4304443H1	GTATACATT	CTTTATTAAT	CATTTTGCTT	CCAACCCCAT	TTAGCCTGCC
Consensus	AGTATACATT	CTTTATTAAT	CATTTTGCTT	CCAACCCCAT	TTAGCCTGCC
0011501154-					
>4304443inh	ATTGAAATGC	AAAAGTCTGT	TCCAAATAAA	GCCTTGGAAT	TGAAGAATGA
>4304443H1	ATTGAAATGC		TCCAAATAAA		TGAANAATGA
>3040232H1		AAAAGTCTGT	TCCAAATAAA	GCCTTGGAAT	TGAAGAATGA
Consensus	ATTICANATIC	AAAACTCTGT	TCCAAATAAA	GCCTTGGAAT	TGAAGAATGA
Consensus	ATTGAAATGC	MMMOTOTOT	100/11/11/11		
42044425	አ <i>ር</i> አአአሮ አጥጥር	асассасат с	AGATACTCCC	ATCAGAATCC	AAACAAAAGG
>4304443inh	ACAMACATIG	ACACCACATC	AGATACTCCC	ATCAGAATCC	AAACAAAAGG
>4304443H1	ACAAACAIIG	ACACCACATG	AGATACTCCC	ATCAGAATCC	AAACAAAAGG
>3040232H1	ACAAACAIIG	ACACCACATO	AGATACTCCC	ATCAGAATCC	AAACAAAAGG
Consensus	ACAAACATTG	AGAGCAGATG	AGAIACICCC	ATOTOTICO	
42044426mh	3 CM3 MC3 3 C3	አ እ ርጥጥርጥጥር ር	GATTCTGAGA	GTCTCTGTGA	GACTGTTTCA
>4304443inh	ACTATGAAGA	AAGIICIIGG	GATTCTGAGA	GTCTCTGTGA	GACTGTTTCA
>4304443H1	ACTATGAAGA	AAGIICIIGG	GATTCTGAGA	CTCTCTCTCA	GACTGTTTCA
>3040232H1	ACTATGAAGA	AAGTICTIGG	GATTCTGAGA	CTCTCTCTCTCA	GACTGTTTCA
Consensus	ACTATGAAGA	AAGTTCTTGG	GATICIGAGA	GICICIGION	0/10/10/11/0/1
- 1-3		mcmcmmmacc	CAAGGCTGCG	СУДСУУУУ	ΔΔΔΤΑGΑΤΑΑ
>4304443inh	CAGAAGGATG	TGTGTTTACC	CAAGGCTGCG	CATCANANAC	ΑΔΑΤΑΚΑΤΑΑ
>4304443H1	CAGAAGGATG	TGTGTTTACC	CAAGGCTGCG	CATCAAAAAG	אאייאייאיי
>3040232H1	CAGAAGGATG	TGTGTTTACC	CAAGGCTGCG	CATCAMAMAG	AMATAGATAA
Consensus	CAGAAGGATG	TGTGTTTACC	CAAGGCTGCG	CATCAAAAAG	AMMINGAIM
			COMOMOCOMOM		ርጥጥርጥር እ እርር
>4304443inh		AAATTAGAAG	GGTCTCCTGT	IAAAGAIGGI	CIICIGAAGG
>4304443H1	AATAA				CTTCTGAAGG
>3040232H1			GGTCTCCTGT		
Consensus	AATAAATGGA	AAATTAGAAG	GGTCTCCTGT	TAAAGATGGT	CIICIGAAGG
				~m	አርአአጥጥር ልጥር
>4304443inh	CTAACTGCGG	AATGAAAGT1	TCTATTCCAA	CTAAAGCCII	AGAATIGATG
>3040232H1			TCTATTCCAA	. C	እ C እ እ ጠጥ C እ ጥ C
Consensus	CTAACTGCGG	AATGAAAGTT	TCTATTCCAA	CTAAAGCCTT	AGAATIGATG
					מתכככתתככת
>4304443inh	GACATGCAAA	CTTTCAAAGC	AGAGCCTCCC	GAGAAGCCAT	CTGCCTTCGA
Consensus	GACATGCAAA	CTTTCAAAGO	AGAGCCTCCC	GAGAAGUCAT	CTGCCTTCGA
					
>4304443inh	GCCTGCCATI	' GAAATGCAAA	AGTCTGTTCC	AAATAAAGCC	TTGGAATTGA
Consensus	GCCTGCCATT	GAAATGCAA	A AGTCTGTTC	C AAATAAAGCC	TTGGAATTGA
					, , , , , , , , , , , , , , , , , , ,
>4304443inh	AGAATGAACA	A AACATTGAGA	A GCAGATGAGA	TACTCCCATC	AGAATCCAAA
Consensus	AGAATGAACA	A AACATTGAGA	A GCAGATGAGA	A TACTCCCATC	AGAATCCAAA
>4304443inh	CAAAAGGACT	ATGAAGAAA	G TTCTTGGGAT	r TCTGAGAGTC	TCTGTGAGAC
Consensus	CAAAAGGACI	r atgaagaaa	G TTCTTGGGA	r TCTGAGAGT(TCTGTGAGAC
				_	
>4304443inh	TGTTTCACAC	G AAGGATGTG	r gtttaccca	A GGCTACACA	CAAAAAGAAA
Consensus	TGTTTCACAC	G AAGGATGTG	r gtttaccca	A GGCTACACAT	CAAAAAGAAA
				,	
>4304443inh	TAGATAAAA!	r aaatggaaa	A TTAGAAGAG	T CTCCTGATA	A TGATGGTTTT
Consensus	TAGATAAAA'	r aaatggaaa	A TTAGAAGAG'	T CTCCTGATA	A TGATGGTTTT

Figure 1B

	CTGAAGGCTC (C	አ ጥጥሮሮል አ ሮጥል	AAGCCTTAGA
>4304443inh	CTGAAGGCTC (CCTGCAGAAI	CANAGITICI .	ATTCCAACTA	AAGCCTTAGA
Consensus	CTGAAGGCTC	CCTGCAGAAI	GAAAGIIICI	Alleganom	11.00011
4204442inh	ATTGATGGAC	Δ Ψ C C Δ Δ Δ C TT	TCAAAGCAGA	GCCTCCCGAG	AAGCCATCTG
>4304443inh	ATTGATGGAC	ATGCALACTT	TCAAAGCAGA	GCCTCCCGAG	AAGCCATCTG
Consensus	ATTGATGGAC	AI GCZ WIGII	10.11.0		
40044401.1	CCTTCGAGCC	TGCCATTGAA	ATGCAAAAGT	CTGTTCCAAA	TAAAGCCTTG
>4304443inh Consensus	CCTTCGAGCC	TGCCATTGAA	ATGCAAAAGT	CTGTTCCAAA	TAAAGCCTTG
Consensus	00110000				
>4304443inh	GAATTGAAGA	ATGAACAAAC	ATTGAGAGCA	GATCAGATGT	TCCCTTCAGA
<3790941H1				•	TCCCTTCAGA
>3424294H1			•		CAGA
Consensus	GAATTGAAGA	ATGAACAAAC	ATTGAGAGCA	GATCAGATGT	TCCCTTCAGA
>4304443inh	ATCAAAACAA	AAGAACGTTG	AAGAAAATTC	TTGGGATTCT	GAGAGTCTCC
<3790941H1	ATCAAAACNA	AAGAAGGTTG	: AGAAAATTC	TTGGGATTCT	GAGAGTCTCC
>3424294H1	ATCAAAACAA	AAGAAGGTTG	AAGAAAATTC	TTGGGATTCT	GAGAGTCTCC
Consensus	ATCAAAACAA	AAGAAGGTTG	AAGAAAATTC	TTGGGATTCT	GAGAGTCTCC
>4304443inh	GTGAGACTGT	TTCACAGAAG	GATGTGTGTG	TACCCAAGGC	TACACATCAA
<3790941H1	GTGAGACTGT	TTCACAG: AG	GATGTGTGTG	TACCCAAGGC	TACACATCAA
>3424294H1	GTGAGACTGT	TTCACAGAAG	GATGTGTGTG	TACCCAAGGC	TACACATCAA
Consensus	GTGAGACTGT	TTCACAGAAG	GATGTGTGTG	TACCCAAGGC	TACACATCAA
				CAACAMMCAA	ሮሞአ ሮሮሮ ሞልሞሮ
>4304443inh	AAAGAAATGG	ATAAAATAAG	TGGAAAATTA TGGAAAATTA	CAAGAIICAA	CTAGCCTATC
<3790941H1				CAACATTCAA	CTAGCCTATC
>3424294H1	AAAGAAATGG	ATAAAATAAG	TGGAAAATTA TGGAAAATTA	CAACATTCAA	CTAGCCTATC
Consensus	AAAGAAATGG	ATAAAATAAG	IGGAAAAIIA	GAMOMI I CARL	011.0001
	>>>>	ሮእመ እሮእ እ መውር	ATTCTTGTGA	AAGAGCAAGG	GAACTTCAAA
>4304443inh	AAAAATCTTG	CATACAGITC	: ATTCTTGTGA	AAGAGCAAGG	GAACTTCAAA
<3790941H1	AAAAAICIIG	CATACAGTIC	ATTCTTGTGA	AAGAGCAAGG	GAACTTCAAA
>3424294H1	AAAAAAICIIG	CATACAGTTC	ATTCTTGTGA	AAGAGCAAGG	GAACTTCAAA
Consensus	AAAAAICIIG	GAIACAGIIC	, miloriora.		
4204442imh	λλ CΔΤCΔCΤC	тсаасаатст	ACAGGAAAAA	TGGAACAAAT	GAAAAAGAAG
>4304443inh <3790941H1	AACATCACTC	TGAACAACGT	ACAGGAAAAA	TGGAACAAAT	GAAAAAGAAG
>3424294H1	AAGATCACTG	TGAACAACG	' ACAGGAAAAA	. TGGAACAAAT	GANA
Consensus	AAGATCACTG	TGAACAACG	ACAGGAAAAA	TGGAACAAAT	GAAAAAGAAG
Collsensus					
>4304443inh	TTTTGTGTAC	TGAAAAAGA	A ACTGTCAGAA	GCAAAAGAAA	TAAAATCACA
<3790941H1	TTTTGTGTAC	TGAAAAAGAA	A ACTGTCAGAA	GCAAAA	
Consensus	TTTTGTGTAC	TGAAAAAGA	A ACTGTCAGAA	GCAAAAGAAA	TAAAATCACA
20112 2112 42					
>4304443inh	GTTAGAGAAC	CAAAAAGTT	A AATGGGAACA	AGAGCTCTGC	AGTGTGAGGT
>2741038H1				GNGCTCTGC	NGTGTGAGGN
Consensus	GTTAGAGAAC	CAAAAAGTT	A AATGGGAACA	AGAGCTCTGC	AGTGTGAGGT

Figure 1C

. 42044425mb	TTCTCACACT (~ътсъъъътс	АААТТАТСТ	CTTACATGAA	AATTGCATGT
>4304443inh	TTCTCACACT (CATGAMAATN	AAAATNATCT	CTTACATGAN	AATTGCATGT
>2741038H1	TTCTCACACT	CATGAAAATG	AAAATTATCT	CTTACATGAA	AATTGCATGT
Consensus				`	
>4304443inh	TGAAAAAGGA	AATTGCCATG	CTAAAACTGG	AAATAGCCAC .	ACTGAAACAC
>2741038H1	TCDDDDGGD	AATTGCCATG	CTAAAACTGG	AAATAGCCAC .	ACTGAAACAC
Consensus	TGAAAAAGGA	AATTGCCATG	CTAAAACTGG	AAATAGCCAC	ACTGAAACAC
COMBCMBAB					
>4304443inh	CAATACCAGG .	AAAAGGAAAA		GAGGACATTA	
>2741038H1	CAATACCAGG	AAAAGGAAAA	TAAATACTTT	GAGGACATTA	AGATTTTAAA
Consensus	CAATACCAGG	AAAAGGAAAA	TAAATACTTT	GAGGACATTA	AGATTTTAAA
					CD CCD AMCAM
>4304443inh	AGAAAAGAAT	GCTGAACTTC	AGATGACCCT	AAAACTGAAA	CAGGAATCAT
>2741038H1	AGANAAGAAT	GCTGAACTTC	AGATGACCCT	AAAACTGAAA	CACCAATCAT
Consensus	AGAAAAGAAT	GCTGAACTTC	AGATGACCCT	AAAACTGAAA	GAGGAATCAT
			ma ma cmccccc	AGCTTAAAGT	ጥርጥር አጥ ልርርጥ
>4304443inh	TAACTAAAAG	GGCATCTCAA	TATAGTGGGC	AGCTIAAAGT	TOTAMMOOT
>2741038H1	TAACTAAAAG	GGCATCTCAA	TATAGTGGGC	AGCTTAAAGT	ТСТСАТАССТ
Consensus	TAACTAAAAG	GGCATCTCAA	TATAGTGGGC	AGCITAMGI	101011111001
	C3 C3 3 C3 C3 3	መረረመረ እርጥጥር	ጥ አልጥጥርልልር	GAAAAACAAG	ACAAAGAAAT
>4304443inh	CACAACACAA	TECTEACTIC	TAAATTGAAG	GAAAAACAAG	ACAAAGAAAT
Consensus	GAGAACACAA	IGCICACITO	178811110111		
>4304443inh	ACTAGAGGCA	GAAATTGAAT	CACACCATCC	TAGACTGGCT	TCTGCTGTAC
Consensus	ACTAGAGGCA	GAAATTGAAT	CACACCATCC	TAGACTGGCT	TCTGCTGTAC
Consensus					
>4304443inh	AAGACCATGA	TCAAATTGTG	ACATCAAGAA	AAAGTCAAGA	ACCTGCTTTC
>4302934H1			TTCAAGAA	AAAGTCAAGA	ACCTGCTTTC
Consensus	AAGACCATGA	TCAAATTGTG	ACWTCAAGAA	AAAGTCAAGA	ACCTGCTTTC
>4304443inh	CACATTGCAG	GAGATGCTTG	TTTGCAAAGA	AAAATGAATG	TTGATGTGAG
>4302934H1	CACATTGCAG	GAGATGCTTG	TNTGCAAAGA	AAAATGAATG	TTGATGTGAG
Consensus	CACATTGCAG	GAGATGCTTG	; TTTGCAAAGA	AAAATGAATG	TTGATGTGAG
				man nacan com	TCTGAAGCTC
>4304443inh	TAGTACGATA	TATAACAATO	AGGTGCTCCA	TCAACCACTT	TCTGAAGCTC
>4302934H1	TAGTACGATA	TATAACAAT	AGGTGCTCCA	TCAACCACTT	TCTGAAGCTC
Consensus	TAGTACGATA	TATAACAAT	AGGTGCTCCA	TCAACCACTT	TCTGAAGCTC
		C 3 3 3 3 C C C C T 7	\ አአአ አጥጥልልጥ (TCAATTATGC	AGGAGATGCT
>4304443inh	AAAGGAAATC	CAAAAGCCIA	TAATTAAAA	TCARTTATGC	CGGAGATGCT
>4302934H1	AAAGGAAATC	CAAAAGCCIA	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	TCAATTATGO	MGGAGATGCT
Consensus	AAAGGAAATC	CAAAAGCCIA	4 WWWIINGIO	, 10111111111	
>4304443inh	CTTAACACAAA	ATACATTGG'	r TTCAGAACAT	GCACAAAGAG	ACCAACGTGA
		ATACATTGG			ACCAACGTGA
>4302934H1		ATACATTGG'		GCACAAAGAG	ACCAACGTGA
Consensus					
>4304443inh	AACACAGTGT	CAAATGAAG	G AAGCTGAACA	A CATGTATCA	AACGAACAAG
>43044431IIII >4302934H1	AACACAGTGT	CAAATGAAG	G AAGCTGAACA	A CATGTATC	
Consensus	AACACAGTGT	CAAATGAAG	G AAGCTGAAC	A CATGTATCA	AACGAACAAG
COMBCHBUD					

Figure 1D

>4304443inh Consensus	ATAATGTGAA ATAATGTGAA	CAAACACACT CAAACACACT	GAACAGCAGG GAACAGCAGG	AGTCTCTAGA AGTCTCTAGA	TCAGAAATTA TCAGAAATTA
>4304443inh	TTTCAACTAC	AAAGCAAAAA	TATGTGGCTT	CAACAGCAAT	TAGTTCATGC
Consensus			TATGTGGCTT		TAGTTCATGC
>4304443inh Consensus	ACATAAGAAA ACATAAGAAA	GCTGACAACA GCTGACAACA	AAAGCAAGAT AAAGCAAGAT	AACAATTGAT AACAATTGAT	ATTCATTTTC ATTCATTTTC
>4304443inh	TTGAGAGGAA	AATGCAACAT	CATCTCCTAA CATCTCCTAA	AAGAGAAAAA AAGAGAAAAA	TGAGGAGATA TGAGGAGATA
Consensus			AAAAAACCGT		
>4304443inh Consensus	TTTAATTACA	ATAACCATTT	AAAAAACCGT	ATATATCAAT	ATGAAAAAGA
>4304443inh	GAAAGCAGAA	ACAGAAAACT	CATGAGAGAC	AAGCAGTAAG	AAACTTCTTT
Consensus			CATGAGAGAC		
>4304443inh Consensus	TGGAGAAACA TGGAGAAACA	ACAGACCAGA ACAGACCAGA	TCTTTACTCA TCTTTACTCA	CAACTCATGC	TAGGAGGCCA
>4304443inh	GTCCTAGCAT	CACCTTATGT	TGAAAATCTT	ACCAATAGTC	TGTGTCAACA
Consensus			TGAAAATCTT		
>4304443inh Consensus	GAATACTTAT GAATACTTAT	TTTAGAAGAA TTTAGAAGAA	AAATTCATGA AAATTCATGA	TTTCTTCCTG	AAGCCTACAG
>4304443inh	ACATAAAATA	ACAGTGTGAA	GAATTACTTG	TTCACGAATC	TCGCTCTGCA
Consensus			GAATTACTTG		•
>4304443inh >158545H1	CCTA	GGCGCCTAGT	GAAACCCTGT GAAACCCTGT	GTCAAAAAGA	AAAAAACAAA AAAAAACAAA
Consensus			GAAACCCTGT		AAAAAACAAA
>4304443inh >158545H1	AACAAACTTC ANCAAACTTC	CAAGACCTCC	G AGTGGTTTTT G AGTGGTTTTN	GGAGACCCTG	TATCACTTCA TATCACTTCA
Consensus	AACAAACTTC	CAAGACCTC	AGTGGTTTTT	GGAGACCCTG	TATCACTTCA
>4304443inh >158545H1	AATAATGTGT	TAAACAAGC	A TCTTCATCTC	ATTAAATAGA	AATGTTGAAA AATGTTGAAA
Consensus	AATAATGTGT	TAAACAAGCA	A TCTTCATCTC	: ATTAAATAGA	AATGTTGAAA
>4304443inh	AATTGCTTTT	GGAATAATT	ACTTATGGAT	ATTTCATCA	A ATTTACAGTT A ATTTACAGTT
>158545H1 Consensus	AATTGCTTTT	GGAATAATT(G ACTTATGGAT	ATTTCATCA	ATTTACAGTT
>4304443inh	GGCTATGCTT	TCTTATTGT	G CATACTATGA G CATACTATGA	AATGTTTTTC	TTCAAAAAGT
>158545H1 Consensus	GGCTATGCTT	TCTTATTGT	G CATACTATGA	A AATGTTTTT	TTCAWWAAGT

Figure 1E

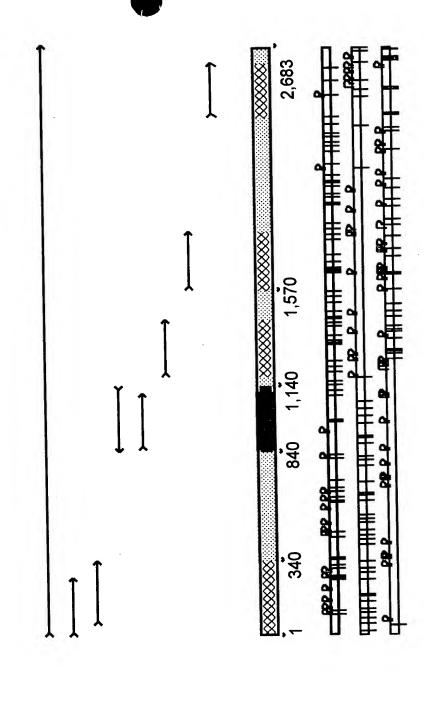
>4304443inh GTTTATAAGT GGTAAGTTTA AGAATGGGGT TGACAGCATT ATCTTTTGTG Consensus GTTTATAAGT GGTAAGTTTA AGAATGGGGT TGACAGCATT ATCTTTTGTG

>4304443inh GTTATTTGAT TAAACATTTA CTAATTGTGC ATA Consensus GTTATTTGAT TAAACATTTA CTAATTGTGC ATA

Figure 2

3040232H1 3790941H1 3424294H1 2741038H1 4302934H1

4304443H1 4304443inh



158545H1